

**DP-310,019**

**BRAKE TRANSMISSION SHIFT INTERLOCK ACTUATOR**

**Abstract of the Disclosure**

A brake transmission shift interlock actuator includes a bobbin that  
5 has an open end and a closed end. A plunger is slidably disposed within the  
bobbin and a plunger rod extends from the plunger. Moreover, a primary plate is  
installed within the open end of the bobbin. The plunger is movable between an  
unlocked position, wherein the plunger rod does not extend through the primary  
plate and a locked position, wherein a first end of the plunger rod extends through  
10 a bore formed by the primary plate. Further, a magnetic force of attraction  
between the plunger and the primary plate diminishes as the plunger approaches  
the primary plate.